

# SUBMISSION UNDER MPEP 609 D

Page 1 of 3

Application Number	09/993,159
Filing Date	5 November 2001
First Named Inventor	LOVENBERG
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	ORT-1528

#### **U.S. PATENT DOCUMENTS**

Examiner	Cite	Name of Patentee or Applicant	U.S. Patent Do	ocument	Pages, Columns, Lines,	
Initials	No.1	of Cited Document	Number	Kind Code <sup>2</sup> (if known)	where relevant passages or relevant figures appear	

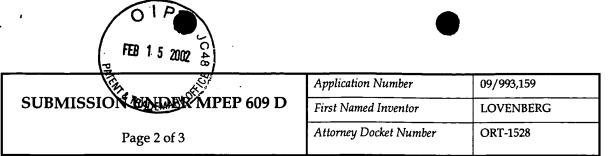
### FOREIGN PATENT DOCUMENTS

Examiner	Cite	Name of Patentee or				Pages, Columns, Lines, where relevant passages	T <sup>6</sup>	
Initials	No.1	Applicant of Cited Document	Office <sup>3</sup>	Number <sup>4</sup>	Kind	Code <sup>5</sup>	or relevant figures appear	:

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T2
MW		Arrang et al. "Autoinhibition of Brain Histamine Release Mediated by a Novel Class H3 of Histamine Receptor", Nature (London) (1983) 302(5911):832-837.	
		H. Baribault and R. Kemler, "Embryonic Stem Cell Culture and Gene Targeting in Transgenic Mice", Mol. Biol. Med. (1989) 6(6):481-492.	
		<u>Blandina</u> et al., "Inhibition of Cortical Acetylcholine Release and Cognitive Performance by Histamine H3 Receptor Activation in Rats", Br. J. Pharmacol. (1996) 119(8):1656-1664.	
		Bradley et al., "Modifying the Mouse: Design and Desire", Bio/Technology (1992) 10: 534-539.	
		Bradley et al., "Formation of Germ-Line Chimaeras from Embryo-Derived Teratocarcinoma Cell Lines", <i>Nature</i> (1984) 309:255-258.	
		Bruns et al., "A Rapid Filtration Assay for Soluble Receptors Using Polyethylenimine-Treated Filters", Anal. Biochem. (1983) 132(1):74-81.	
		Mario R. Capecchi, "The New Mouse Genetics: Altering the Genome by Gene Targeting", Trends in Genet. (1989) 5(3):70-76.	
		Mario R. Capecchi, "Altering the Genome by Homologous Recombination", Science (Washington, DC) (1989) 244(4910):1288-1292.	
m		M. J. Evans and M. H. Kaufman, "Establishment in Culture of Pluripotential Cells from Mouse Embryos", <i>Nature</i> (1981) 292(5819):154-156.	

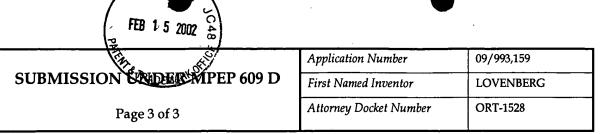
Examiner	LIAA.	Date	9.12.02	
Signature \(\lambda\)	$\sim$	Considered	1.12.05	



## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s),	T2
MMD		volume-issue number(s), publisher, city and/or country where published  M. A. Frohman and G. R. Martin, "Cut, Paste, and Save: New Approaches to Altering Specific Genes in Mice", Cell (1989) 56(2):145-147.	
		Gantz et al., "Molecular Cloning of a Gene Encoding the Histamine H2 Receptor", P.N.A.S. U.S.A (1991) 88(2):429-433.	
		Giovannini et al., "Effects of Histamine H3 Receptor Agonists and Antagonists on Cognitive Performance and Scopolamine-Induced Amnesia", Behav. Brain Res. (1999) 104(1-2):147-155.	
		Gossler et al. "Transgenesis by Means of Blastocyst-Derived Embryonic Stem Cell Lines", P.N.A.S. (1985) 83:9065-9069.	
		Hill et al. "International Union of Pharmacology, XIII: Classification of Histamine Receptors", Pharmacol. Rev. (1997) 49(3):253-278.	
		Hooper et al., 1987, "HPRT-Deficient (Lesch-Nyhan) Mouse Embryos Derived from Germ-Line Colonization by Cultured Cells", Nature (1987) 326:292-295.	
		R. Jaenisch, "Transgenic Animals", Science (1988) 240(4858):1468-1474.  H. S. Kim and O. Smithies, "Recombinant Fragment Assay for Gene Targetting Based on the Polymerase Chain Reaction", Nucleic Acids Res. (1988) 16(18):8887-8903.	
		Kim et al., "Problems Encountered in Detecting a Targeted Gene by the Polymerase Chain Reaction", Gene (1991) 103:227-233.	
		Laird et al., "Structure and Expression of the Guinea-Pig α-Lactalbumin Gene", Biochem. J. (1988) 254:85-94.	
		<u>Lin</u> et al., "Recombination in Mouse L Cells Between DNA Introduced into Cells and Homologous Chromosomal Sequences", <i>P.N.A.S</i> (1985) <b>82</b> :1391-1395.	
		Lin et al., "Involvement of Histaminergic Neurons in Arousal Mechanisms Demonstrated with H <sub>3</sub> -Receptor Ligands in the Cat", Brain Res. (1990) <b>523</b> :325-330.	
		<u>Liu</u> et al., "Re-Examination of [3H]Mepyramine Binding Assay for Histamine H1 Receptor Using Quinine", <i>Biochem. Biophys. Res. Commun.</i> (1992) <b>189(1)</b> :378-384.	
		Maniatis et al. Molecular Cloning (Cold Spring Harbor Laboratory, 1982) pp. 280-281).	
		Mansour et al., "Disruption of the Proto-Oncogene Int-2 in Mouse Embryo-Derived Stem Cells: A General Strategy for Targeting Mutations to Non-Selectable Genes", Nature (1988) 336(6197):348-352.	
Cum		Molinengo et al., "Combined Action of Thioperamide Plus Scopolamine, Diphenhydramine, or Methysergide on Memory in Mice", <i>Pharmacol. Biochem. Behav.</i> (1999) 63(2):221-227.	

Examiner	II I I I I	Date 9.17.03
Signature	1001000	Considered   ( C )



### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
nu	Monti et al., "Effects of Selective Activation or Blockade of the Histamine H3 Receptor on Sleep and Wakefulness", Eur. J. Pharmacol. (1991) 205(3):283-287.	
	Onodera et al., "Improvement by FUB 181, a Novel Histamine H <sub>3</sub> -Receptor Antagonist, of Learning and Memory in the Elevated Plus-Maze Test in Mice", Naunyn-Schmiedeberg's Arch. Pharmacol. (1998) 357:508-513.	
	Robertson et al., "Germ-Line Transmission of Genes Introduced into Cultured Pluripotential Cells by Retroviral Vector", Nature (1986) 323:445-448.	
·	E.J. Robertson, "Embryo-derived Stem Cell Lines" <u>Teratocarcinomas and Embryonic Stem Cells</u> , (E.J. Robertson, Ed., Oxford, Washington DC: IRL Press) (1987) pp. 71-112	
	J. Sedivy and P. A. Sharp, "Positive Genetic Selection for Gene Disruption in Mammalian Cells by Homologous Recombination", P.N.A.S. USA (1989) 86(1):227-231.	
	Smithies et al., "Insertion of DNA Sequences into the Human Chromosomal β-Globin Locus by Homologous Recombination", <i>Nature</i> (1985) 317(6034):230-234.	
	Song et al., "Accurate Modification of a Chromosomal Plasmid by Homologous Recombination in Human Cells", P.N.A.S USA (1987) 84:6820-6824.	
	K. R. Thomas and M. C. Capecchi, "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-derived Stem Cells", Cell (1987) 51(3):503-512.	
	Thomas et al., "High Frequency Targeting of Genes to Specify Sites in the Mammalian Genome", Cell (1986) 44(3):419-428.	
	Tran et al., "Histamine H1 Receptors Identified in Mammalian Brain Membranes with [3H]Mepyramine", P. N. A. S. USA (1978) 75(12):6290-6294.	
	E. F. Wagner, "EMBO Medal Review: On Transferring Genes into Stem Cells and Mice", EMBO J. (1990) 9(10): 3024-3032.	
	West et al., "Identification of Two H3-Histamine Receptor Subtypes", Molec. Pharmacol. (1990) 38(5):610-613.	
	Wood et al., "Simple and Efficient Production of Embryonic Stem Cell- Embryo Chimeras by Coculture", P.N.A.S. USA (1993) 90(10):4582-4584.	
WW	Yamashita et al. (1991) "Expression Cloning of a cDNA Encoding the Bovine Histamine H1 Receptor", P.N.A.S. USA (1991) 88(24):11515-11519.	

Signature Considered Considered		Examiner Signature	WWW.	Date Considered	1203
---------------------------------	--	-----------------------	------	--------------------	------